IN THE ABSTRACT:

ABSTRACT OF THE DISCLOSURE

~~The invention relates to a~~ A diffractive grating element is ~~arranged to be~~ divided into at least two different grating regions ~~(BG_{left},BG_{right}; MBG_{left},MBG_{right})~~ each having different diffractive properties and arranged on opposite sides with respect to ~~the~~a transition point ~~(TP)~~ to form a splitted grating structure ~~(SG)~~. The diffractions generated by ~~said~~the at least two different grating regions are arranged to mutually compensate for the variation in the input angle ~~(θ)~~ of the incident light wave ~~(W)~~ to the total diffraction efficiency of the at least one diffracted light wave that is arranged to propagate within ~~said~~the substrate.

~~Fig. 7~~